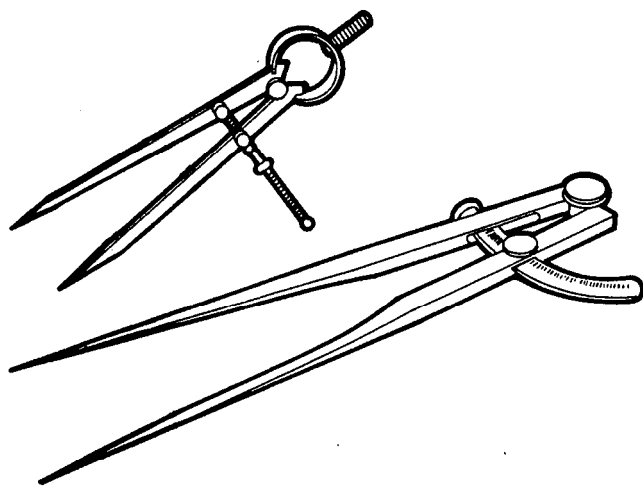


Chapter 5 DIVIDERS

HOW TO CHOOSE AND USE THEM

The "Types and Uses" section provides you with a list of the types of dividers. These pages should help you select the right dividers for the job.

The "Using Dividers" section tells you how to use the dividers to scribe a circle of a desired radius. The "Care" procedures tell you how to care for the dividers.

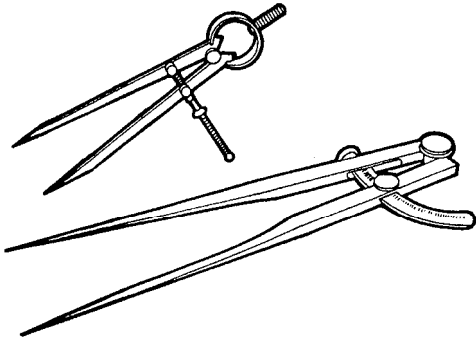


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TYPES AND USES

Dividers are instruments used for measuring distances between two points, transferring or comparing measurements directly from a rule, or for scribing an arc, radius, or circle.



SPRING DIVIDER



A spring divider consists of two sharp points at the end of straight legs, held apart by a spring and adjusted by means of a screw and nut. The spring divider is available in sizes from 3 to 10 inches in length.

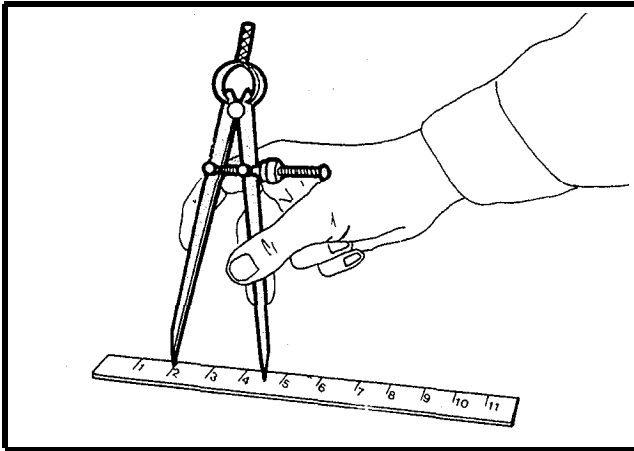
WING DIVIDER



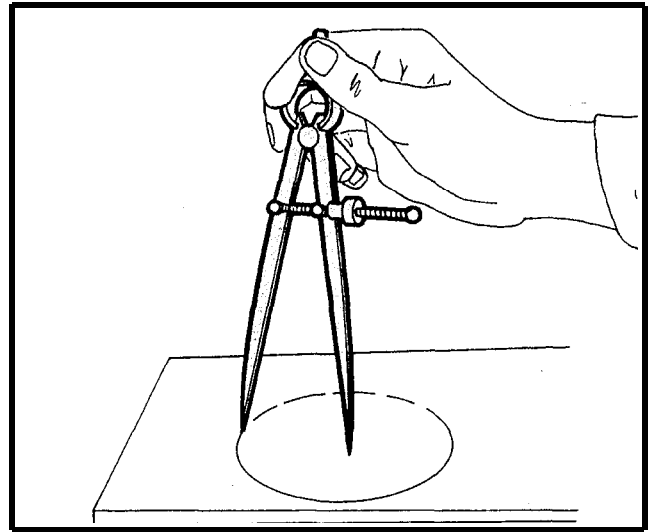
A wing-type divider has a steel bar that separates the legs, a lock nut for setting a rough measurement, and an adjustment screw for fine adjustments. The wing-type divider is available in 6, 8, and 12 inch lengths.

Also available is a divider with one removable leg, so that a pencil may be inserted.

USING A DIVIDER TO SCRIBE A CIRCLE



- 1 Set the desired radius on the dividers using the appropriate graduations on a rule.
- 2 Place the point of one of the divider legs on the point to be used as the center.



- 3 Lean the dividers in the direction of movement and scribe the circle by revolving the dividers.

CARE OF DIVIDERS

Keep dividers clean and dry. Protect the points against damage. Store dividers where they will not become bent or broken.

